High Resolution Spectroscopy of NGC 1068 with Chandra and XMM-Newton

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[Contributed talk, 15min.]

Abstract

The well known Seyfert 2 galaxy NGC1068 has recently been observed with XMM and Chandra. Here we report preliminary results obtained with the Reflection Grating Spectrometer on XMM-Newton and the Low Energy Transmission Grating on Chandra. The spectra are dominated by emissiom lines from hydrogen-and helium-like ions from carbon to silicon as well as contributions from iron L-shell transistions. Narrow radiative recombination continua of carbon, nitrogen, oxygen, neon and magnesium are present, indicative of photoionised plasmas. The RRC's imly a strong low-temperature gas component.The LETGS is able to determine the spectrum of the core as well as from the nearby (4 arcsec) central emission region.

CATEGORY: ACTIVE GALAXIES AND QUASARS